

SYSTEM AND METHOD FOR COMMUNICATING IPSEC TUNNEL
PACKETS WITH COMPRESSED INNER HEADERS

Abstract of the Disclosure

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Compression of inner headers of IPsec tunnel packets is achieved by storing an inner IP header and an inner protocol header in a context sub-table associated with the security association database entry at a destination tunnel device. IPsec tunnel packets having compressed inner headers may be identified
10 by the LSBs of the SPI number in the IPsec header. The SPI number may also identify whether the IPsec tunnel packet is a TCP packet. A portion of padding in the encapsulated portion may identify a particular context sub-table used for decompressing the inner headers. The context sub-table may be updated as portions of the inner headers change.

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